



SAFETY GUIDE FOR SNATCH BLOCK AND SHACKLE PRODUCTS

GENERAL SAFETY PRECAUTIONS

Tackle Tuff believes your safety, and the safety of others, is especially important. To guide you toward making informed decisions about safety, we have provided important safety tips in this guide. This information may alert you to possible dangers that could hurt you or cause property damage. Since it's not possible to highlight every potential danger, we hope you exercise your own good judgment.

This guide identifies potential dangers and is designed to help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

WARNINGS

Impact and Moving Parts Entanglement Hazard

FAILURE TO OBSERVE THESE INSTRUCTIONS COULD LEAD TO SEVERE INJURY OR DEATH

SNATCH BLOCKS

- Never use a snatch block without training.
- Always inform yourself... read snatch block safe use instructions included here.
- Never use a snatch block without knowing its working load limit (WLL).
- Never overload a snatch block.
- Never use a worn – out or damaged snatch block.
- Be cautious when using a snatch block in extreme conditions.
- Always rig a snatch block properly.
- Always select vehicle anchor points that exceed the equipment load rating.
- Never stand between, in front of, or behind vehicles during vehicle recovery.
- Always move bystanders away from either end or between both vehicles before pulling.
- Always inspect equipment for damage before each use. If the either the snatch block or shackle is damaged, deformed, broken, bent or rusted through, discontinue use and replace the product immediately.

SHACKLES

- Always check to make certain that the shackle pin is seated completely.
- Always be sure to see that the shackle pin threads easily by and into and out of the shackle.
- Never replace the shackle pin with a bolt, only a properly fitted pin shall be used.
- Bolts are not intended to take the bending that is normally applied to the pin.
- Shackles shall not be used if the pin cannot be completely seated.
- The pin needs to be only hand tightened for lifting.
- Use only shackles with screw pin, round pin with cotter should not be used.
- Screw pin shackles shall not be used if the pin can roll under load and unscrew.
- Shackles shall never be allowed to be pulled at an angle (eccentric loading) because the capacity will be tremendously reduced

INSTRUCTIONS FOR USING SNATCH BLOCKS

SNATCH BLOCK USE

1. Snatch blocks should always be matched to the line that runs through them. The diameter of the winch line (steel or synthetic), in order to be properly supported, should go over and around the pulley (sheave) of the snatch block. The difference between the winch line diameter and the diameter of the sheave is called the D/d Ratio. To be most efficient, we aim for the D/d ratio to be greater than 20.



2. All Tackle Tuff snatch blocks are rated with a safe working load limit (WLL). This weight limit should not be exceeded during the use of the snatch block. Although rated for a higher breaking point weight limit, using a snatch block put additional stress on the hardware, and that is why our engineers have determined the proper weight limit based on the testing that has determined failing (or breaking) load capacity.

3. Properly Dampen the Winch Line: Rigging layouts must always avoid overloading the any of the components being used, be it the winch, the snatch block, shackles or any other component that's used. Overloading beyond the WLL, or if you are using any damaged snatch blocks or other components, this can result in **DAMAGE OR BODILY HARM, the results can be violent and instant—and potentially lethal. Use all due precautions. Recovery efforts should always employ weighted line dampener devices that can be placed on the line at several points. In some cases, Tackle Tuff carrying cases can double as line dampeners, otherwise a dampener bag will be included with your kit or is available for purchase on it's own. The added weight of our dampener bags, or even improvised line dampeners, that are placed over the winch line is intended to minimize the reaction of a failed rigging system,**

4. Instructions for proper rigging of a recovery operation can be found online or on the Tackle Tuff website.